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c2  
Cont'd  
[  
wherein said TNIK protein comprises an amino acid sequence having at least about 95% identity to SEQ ID NO:34, and wherein said TNIK protein will bind to said Traf2 or Nck protein in the absence of said candidate bioactive agent.

Sub  
D1  
21. (amended) The method of Claim 19, wherein said TNIK protein and said Traf2 or Nck protein are combined first.

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22. (amended) A method of screening for a bioactive agent capable of modulating the activity of a TNIK protein, said method comprising:

Sub  
J4  
a) adding a candidate bioactive agent to a cell comprising a recombinant nucleic acid encoding a TNIK protein; and

b) determining the effect of said candidate bioactive agent on said cell;

wherein said TNIK protein comprises an amino acid sequence having at least about 95% identity to SEQ ID NO:34, and wherein said TNIK protein will bind to Traf2 or Nck.

Sub  
D2  
23. (amended) The method of Claim 22, wherein a library of candidate bioactive agents is added to a population of cells comprising a recombinant nucleic acid encoding a TNIK protein.

c3  
6  
24. (new) The method of Claim 22, wherein determining the effect of said candidate bioactive agent on said cell involves measuring JNK pathway activation in said cell.

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25. (new) The method of Claim 22, wherein determining the effect of said candidate bioactive agent on said cell involves observing actin filament rearrangement in said cell.

add 35  
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**REMARKS**

Claims 19-25 are pending. Claims 19-23 have been amended and Claims 24 and 25 have been added. Support for Claim 24 is found, for example, at page 6, lines 12-19 and page 36, lines 1-8. Support for Claim 25 is found, for example, at page 7, lines 13-19 and page 36, lines 1-8. A clean set of the pending claims appears above.